International Application No
Pi US2004/01901

. US2004/019017 A. CLAS CLASSIFICATION OF SUBJECT MATTER C 7 GO1N33/50 GO1N G01N33/68 C12Q1/68 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01N C12Q Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category • Relevant to claim No. WO 01/60408 A (SCI PHARMACEUTICALS INC ; X 17-22 POLANSKY HANAN (US)) 23 August 2001 (2001-08-23) claims 26,36 & WO 01/35096 A (ANDERSON CHRISTEN M; CLEVENGER WILLIAM (US); MITOKOR (US); BECKER DAV) 17 May 2001 (2001-05-17) WO 00/47735 A (SLADEK ROBERT; UNIV MCGILL X (CA); GIGUERE VINCENT (CA); LÚO JIANG 17-22 MING) 17 August 2000 (2000-08-17) claims 17,18,28 WO 01/35096 A (ANDERSON CHRISTEN M CLEVENGER WILLIAM (US); MITOKOR (US); 17-22 BECKER DAV) 17 May 2001 (2001-05-17) claims 19-25 -/--X Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) Involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention "O" document referring to an oral disclosure, use, exhibition or cannot be considered to involve an invention step when the document is combined with one or more other such document, such combination being obvious to a person skilled in the art. document published prior to the International filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 0 1 04.75 15 December 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Cuendet, P Form PCT/ISA/210 (second sheet) (January 2004)

International Application No
P: US2004/019017

C-4	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	P US2004/019017		
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	EP 1 284 291 A (YAMANOUCHI PHARMA CO LTD) 19 February 2003 (2003-02-19) claims 5-8	17-22		
A	SCHREIBER S N ET AL: "The transcriptional coactivator PGC-1 regulates the expression and activity of the orphan nuclear receptor estrogen-related receptor alpha (ERRalpha)" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 278, no. 11, 14 March 2003 (2003-03-14), pages 9013-9018, XP002253785 ISSN: 0021-9258 cited in the application the whole document	17-22		
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rnational application No. PCT/US2004/019017

- UN 1	Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
	Continuation of Item 2 of first sheet)
This In	ternational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
_	7
1. <u>X</u>	because they relate to subject matter not required to be searched by this Authority, pamely
	Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy, see claims 23-41.
2. X	Claims Nos.: 1-16,23-41,42-105 because they relate to parts of the International Application 1.
	because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: See FURTHER INFORMATION sheet PCT/ISA/210
3.	Claims Nos.: because they are dependent claims and or and the first
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
	ernational Searching Authority found multiple inventions in this international application, as follows:
	as follows:
	see additional sheet
	·
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
•	searchable dains.
2.	As all searchable claims could be seembed.
	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
з. 🗀	As only some of the required edular.
لـــا	As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
	•
1. X	No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is
- *	way, was developed by claims 1405.:
	1-41
	On Protest The additional search fees were accompanied by the applicant's protest
	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 1-16,23-41,42-105

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy, see claims 23-41.

Continuation of Box II.2

Claims Nos.: 1-16,23-41,42-105

Present claims 1-16, 23-41 relate to the use of a product (agent), that product being defined by reference to a desirable characteristic or claims 1-16,23-41 cover the use of all products having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of the use of such application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, define the product by reference to a result to be achieved (cf. present to render a meaningful search over the whole of the claims also lack clarity (Article 6 PCT). An attempt is made to claim 17-22). Again, this lack of clarity in the present case is such as impossible. Consequently, the search has not been carried out for these claims 1-16,23-41.

Present claims 18-22 relate to an extremely large number of possible compounds (agents) to be identifyied. In fact, the claims contain so many options, variables, possible permutations that a lack of clarity (and conciseness) within the meaning of Article 6 PCT arises to such an extent as to render a meaningful search of the claims impossible. Consequently, the search for claims 18-22 has been carried out for those parts of the application which do appear to be clear (and concise), namely according to the subject-matter of claim 2.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be

FURTHER INFORMATION CONTINUED FROM	PCT/ISA/ 210	
overcome.		
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-41

determining and use of an agent that modulates activity of erralpha or gabp polypeptide.

2. claims: 42-50

dentifying a sequence in a gene having an erralpha or a gapb binding site.

3. claims: 93-105

identifying an agent that has the ability of a coordinated expression of $\ensuremath{\mathsf{OXPHOS-CR}}$ genes.

4. claims: 51-77

identifying a transcriptional regulator in cells.

5. claims: 78-92

detecting the expression level of a biomarker in experimental groups.

iformation on patent family members

International Application No
Pu., US2004/019017

				10.,032	.004/01901/
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